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[PDF] Cryptography with DNA binary strands

A. Leier, C. Richter, W. Burchard · ... · 2000 · h11-www.informatik.uni-dortmund ...
... technique allowing a graphical message decryption: The message strand was encrypted by mixing it with ... As a result the key sequence could not be used as a distinctive feature for the readout ... 3). Instead the pool of dummy strands used for encryption was used as decryption key ...
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[PDF] from uni-dortmund.de

A dynamic mix method for wireless ad hoc networks

S. Jiang, N. Vaidya · ... · Conference, 2001 · MILCOM ... 2002 · ieeeexplore.ieee.org
... From, which is address of the mix node To, which is address of the destination node Sequence, which is the encryption of Sequence field in Mix Request with AE Source, which is the encryption of address of the source node E with AE Key, which is encryption of ...
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Flash mixing

M. Jakobsson · Proceedings of the eighteenth annual ACM ... 1999 · portal.acm.org
... same effect as the sequence of all the permutations performed. sEach such relative re-encryption exponent is computed using the corresponding element of the first list as its ... Each mix server, in the same order as they performed the action during the second re-encryption phase ...
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[PDF] from marcus.jakobsson.com

Encryption processing apparatus, encryption processing method, and computer program

P. Ochi · US Patent App. 10749,412, 2004 · Google Patents
... ENCRYPTION PROCESSING SEQUENCE TO A PLURALITY OF GROUPS > I SET DUMMY IN GROUP OF DIVISIONS AS NECESSARY > I MIX GROUP OF DIVISIONS UNDER PREDETERMINED CONDITIONS IN ORDER TO SET MIXING PROCESSING SEQUENCE > ...
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A synthetic stegano-crypto scheme for securing multimedia medical records and their associations

N. Bourgeois, A. Fawcett, K. Yang · Signal Processing ... 2006 · ieeeexplore.ieee.org
... images, diagnosis, treatment and medication prescriptions) and their correct association by reducing human errors for mishandling or mixing these records ... a sequence of dummy bytes (53 image byte size) (total byte count of all previous contents ... The SCAN Encryption Module 2 ...
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Untraceable electronic mail, return addresses, and digital pseudonyms

D. Crum · Communications of the ACM, 1981 · portal.acm.org
... A new kind of mix will be presented here that allows a sequence of mixes to be selected for each message. ... This yields a key R, which the mix uses to encrypt each of the l blocks of the item (using either public key or conventional cryptography). ...
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Encryption protection method

V. Duparquis · US Patent App. 11/358,978, 2006 · Google Patents
... For example, Rijndael, adopted as the Advanced Encryption Standard (AES), and published in NIST ... use of S-boxes or similar substitution tables, and provide key mixing operations on the ... their actions, but the inside masking sequence differs from the global masking sequence. ...
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All-optical encryption for optical network with interleaved waveband switching modulation

M. P. Fok · Optical Fiber Communication Conference, 2009 · opticsinfobase.org
... the eavesdropper, the number of wavelengths representing the optical CDMA sequence is doubled ... Polarization-insensitive wavelength conversion of DPSK signal using four-wave mixing in 32 ... PR Prucnal, Low-latency nonlinear fiber-based approach for data encryption and anti ...
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All-optical encryption based on interleaved waveband switching modulation for optical network security

M. P. Fok · Optics letters, 2009 · opticsinfobase.org
... the network security [1-8]. In this Letter, we exploit dual-pump four-wave mixing (FWM) in a ... the optical CDMA sequence is built with four wavelengths (1 to 4) at 1550.6, 1551.6, 1552.4 ... (b) illustration of the wavelength transform during the encryption process showing the ...
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Timing attacks in low-latency mix systems

B. H. Leung, M. R. Reiter, C. Wang · Financial Cryptography, 2004 · Springer
... The path P1 consists of a sequence of h mixes that starts with M1 and ends with Mh. Although in ... This is common among low-latency mix systems, where when a path P1 is first established, every mix server on P1 is given a symmetric encryption key that it shares with I, and ...
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